Trade & Grade Homework

a. 2x + 6=3x x=6

P=18 ft A=18ft^2

c. 2x + 36 = 18x x=2.25

P= 40.5ft A=40.5ft^2

e. 2x +8= 3x +2 x=6

P=20ft A=20ft^2

g. 6x + 10=9x + x + x x=2

P=22ft A=22ft^2

Workbook p11-12 activity 1

b. 2x + 8 = 4x x=4

P=16ft A=18ft^2

d. 2x + 5 = 5/2x x=10

P=25ft A=25ft^2

f. 2x + 16=2x + 4(x+1) x=3

P=22ft A=22ft^2

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Starters 9/20

Order from least to greatest.

1. |-0.24| , -|3|, |2/3|, -3/4

2. 0.8, -2.1, -1.9, 3/4

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Activity 2: Surface Area and Volume

Work with a partner. Each solid on the next page has the unusual property that the value of its surface area (in square inches) is equal to the value of its volume (in cubic inches).

- **Write an equation (value of surface area = value of volume) for each figure.**
- **Solve each equation for *x*.**
- **Use the value of *x* to find the surface area and volume of each figure.**
- **Check your solution by comparing the value of the surface area and the value of the volume of each figure.**

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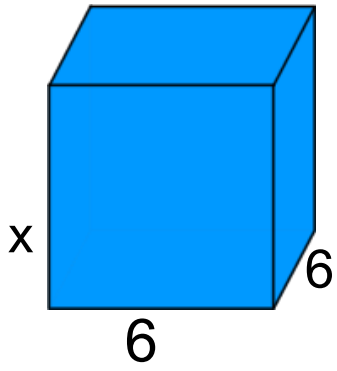
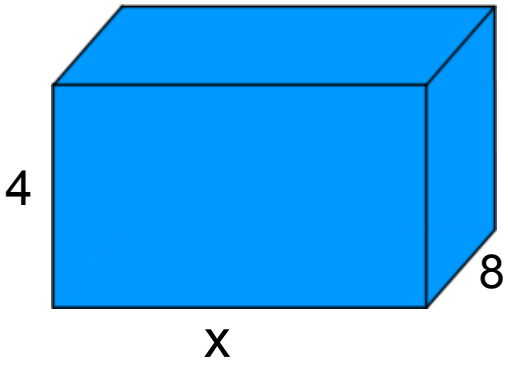
a.



b.



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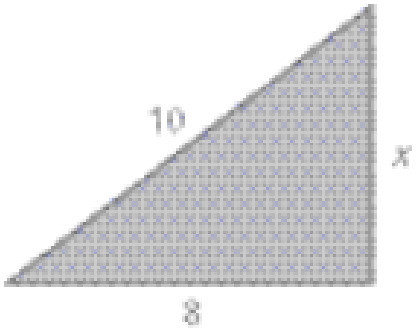
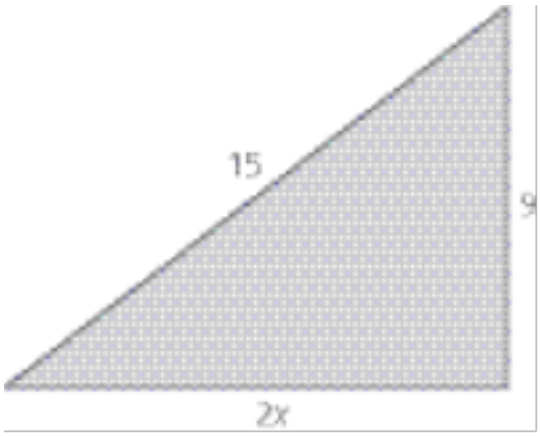
Activity 3: Puzzle

Work with a partner. The two triangles are similar. The perimeter of the larger triangle is 150% of the perimeter of the smaller triangle. Find the dimensions of each triangle.





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What Is Your Answer?

4. IN YOUR OWN WORDS How can you solve an equation that has variables on both sides? Write an equation that has variables on both sides. Solve the equation.

Turn in Workbook on back table for 1.3 grading.

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Homework: From textbook Page 20 #3-5

Remember:
How Do I Measure Up? is due tomorrow with reflection.
Order of Operations Test Revisions & Corrections were due

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